

## PRIOR ART

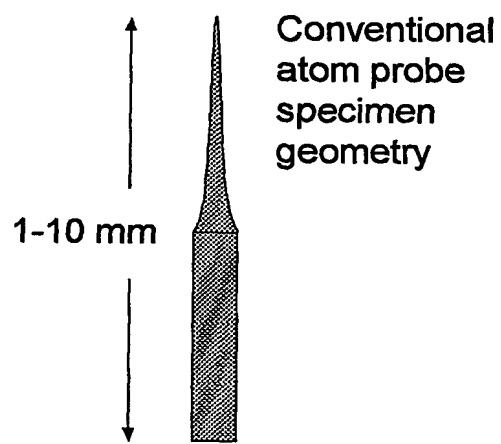


Fig. 1A

## LEAP SPECIMEN GEOMETRIES

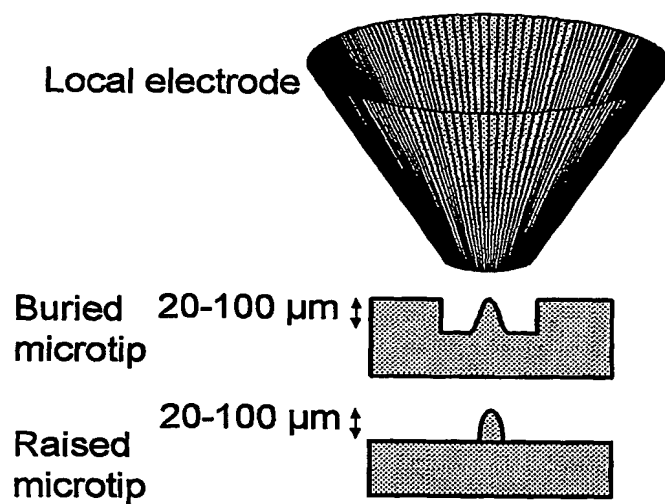
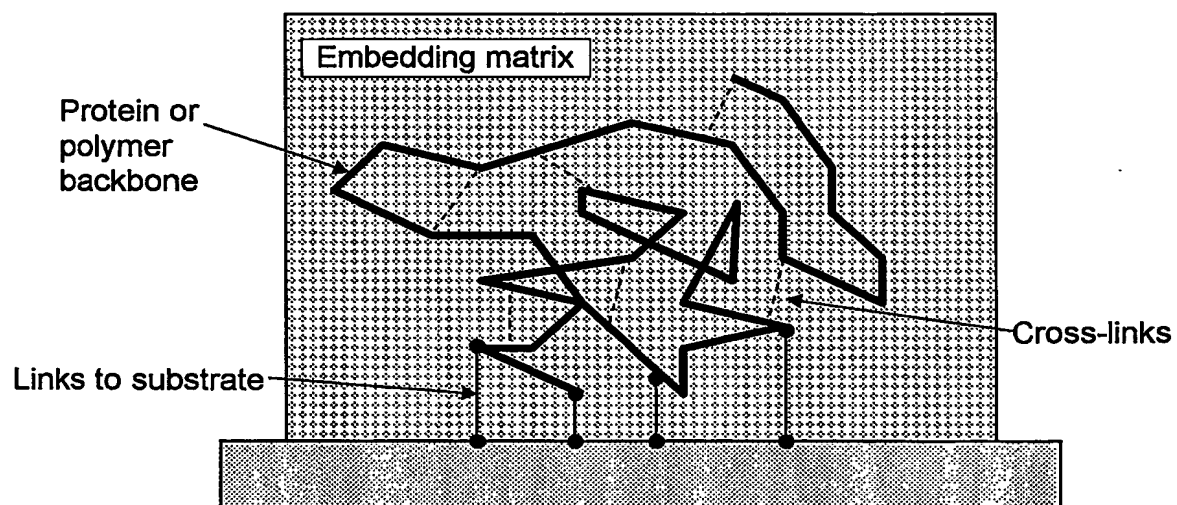
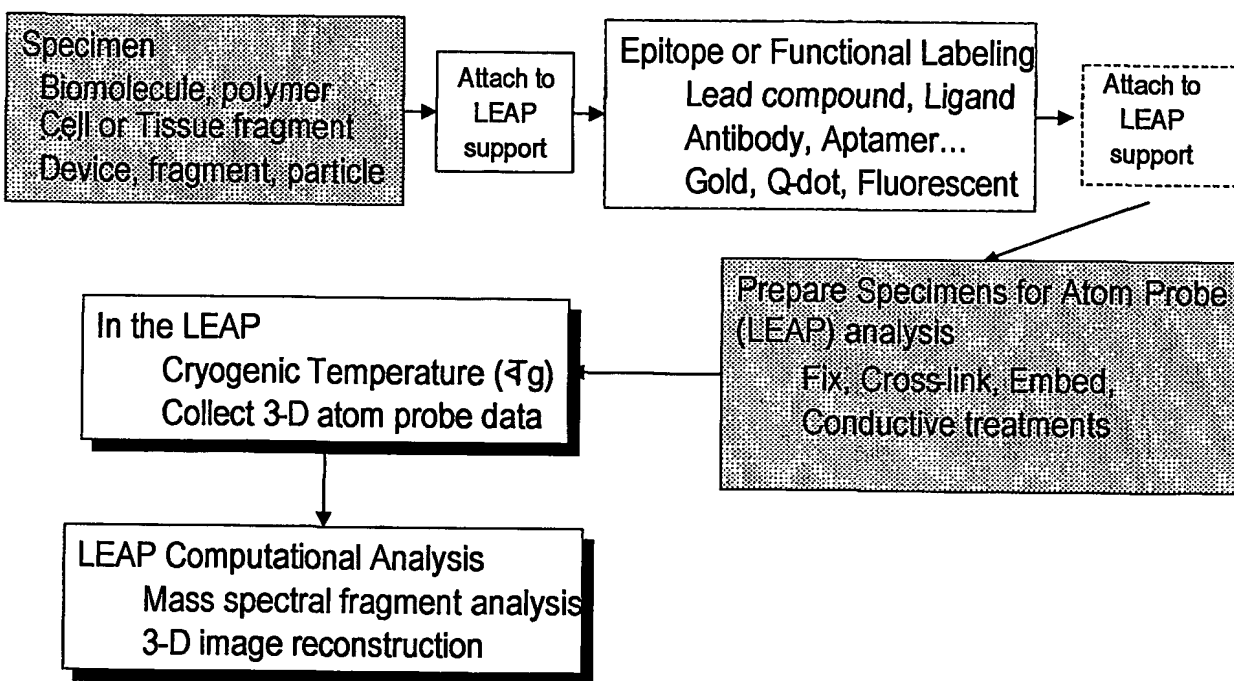


Fig. 1B

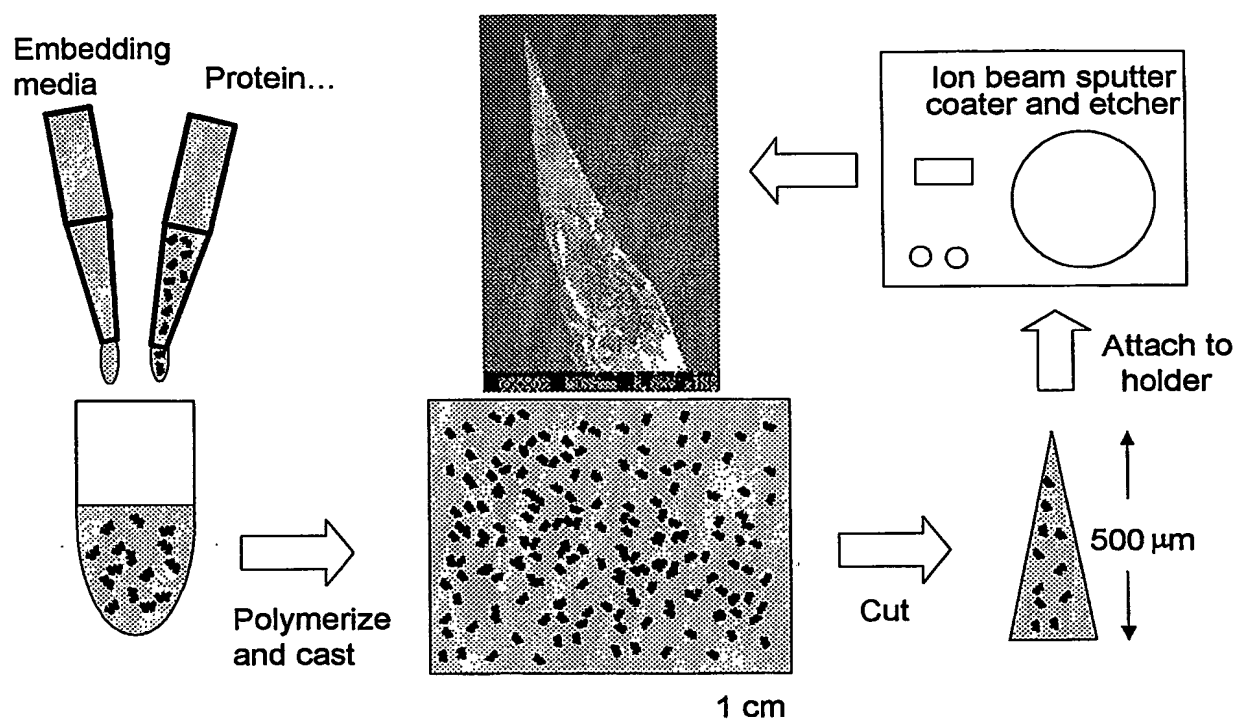


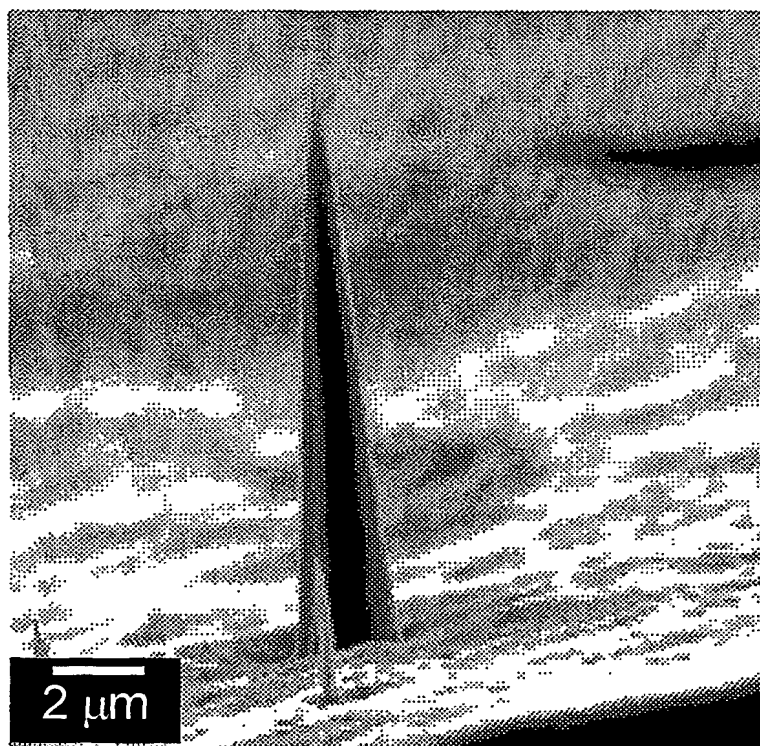
**Fig. 2**

## Specimen Preparation and Analysis

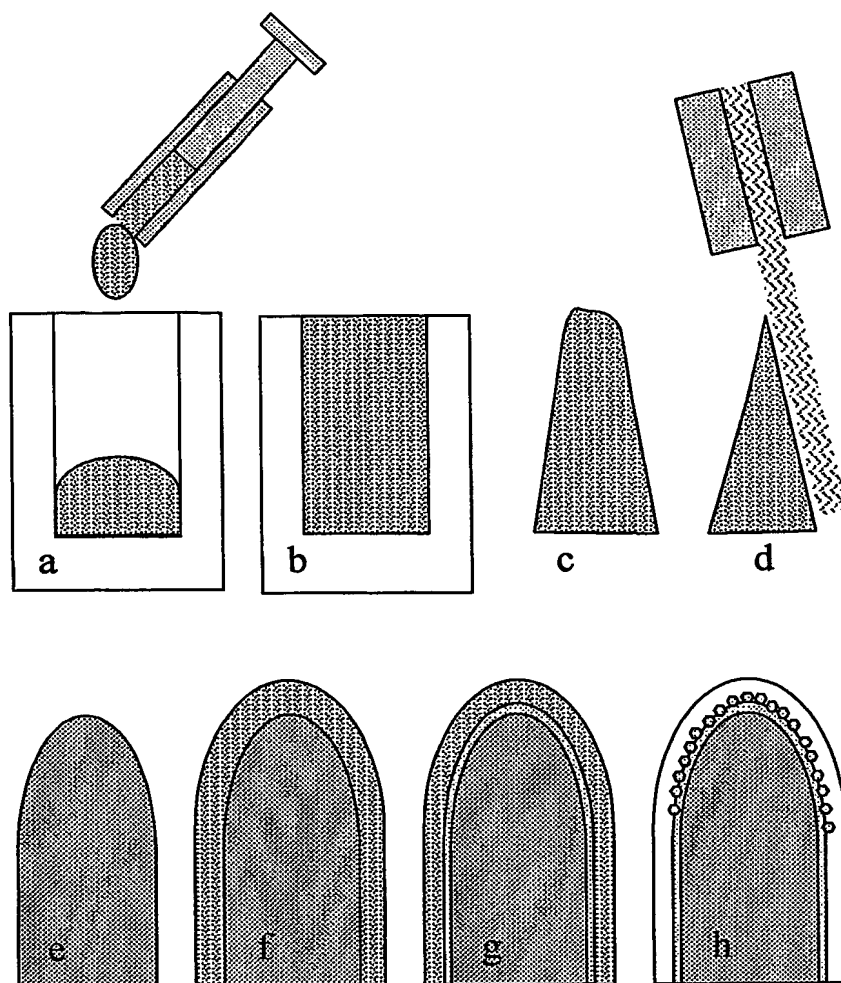


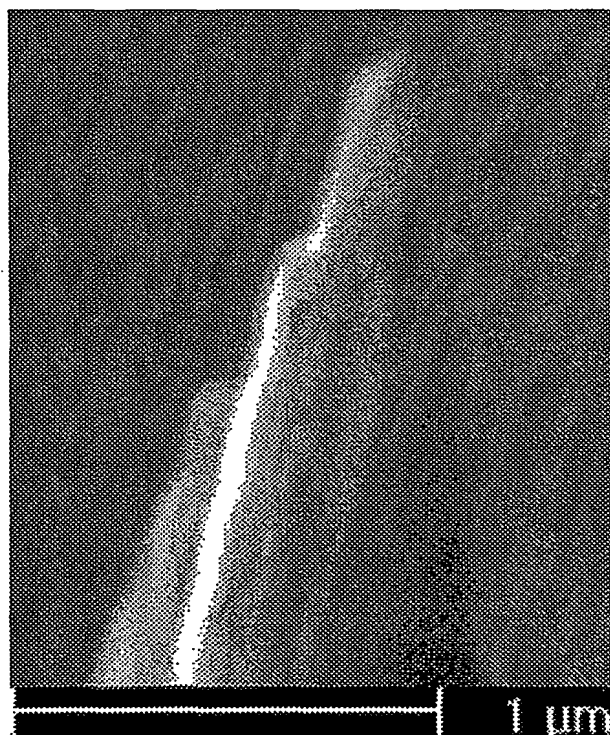
**Fig. 3**

**PREPARATION OF BIOMOLECULAR SPECIMENS****Fig. 4**

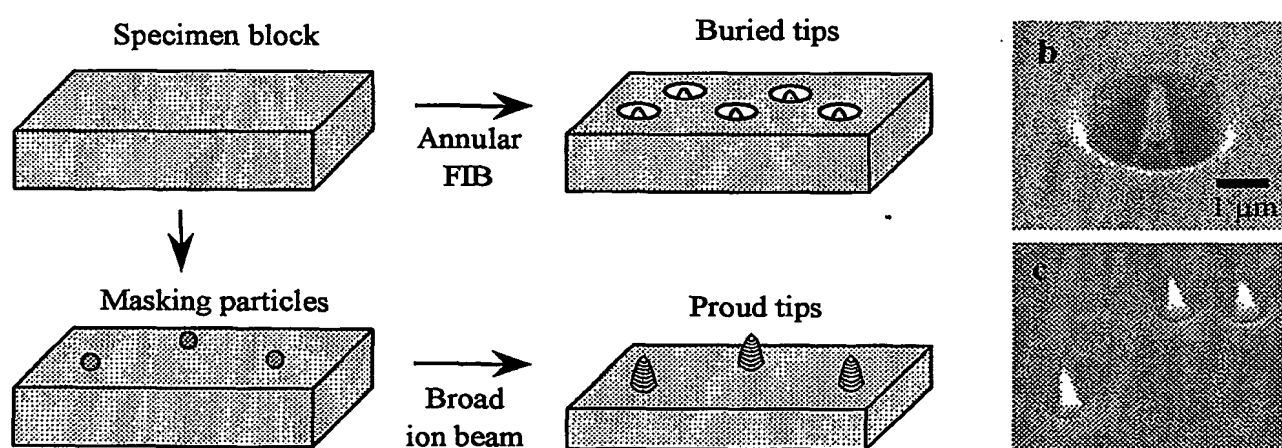


**Fig. 5**

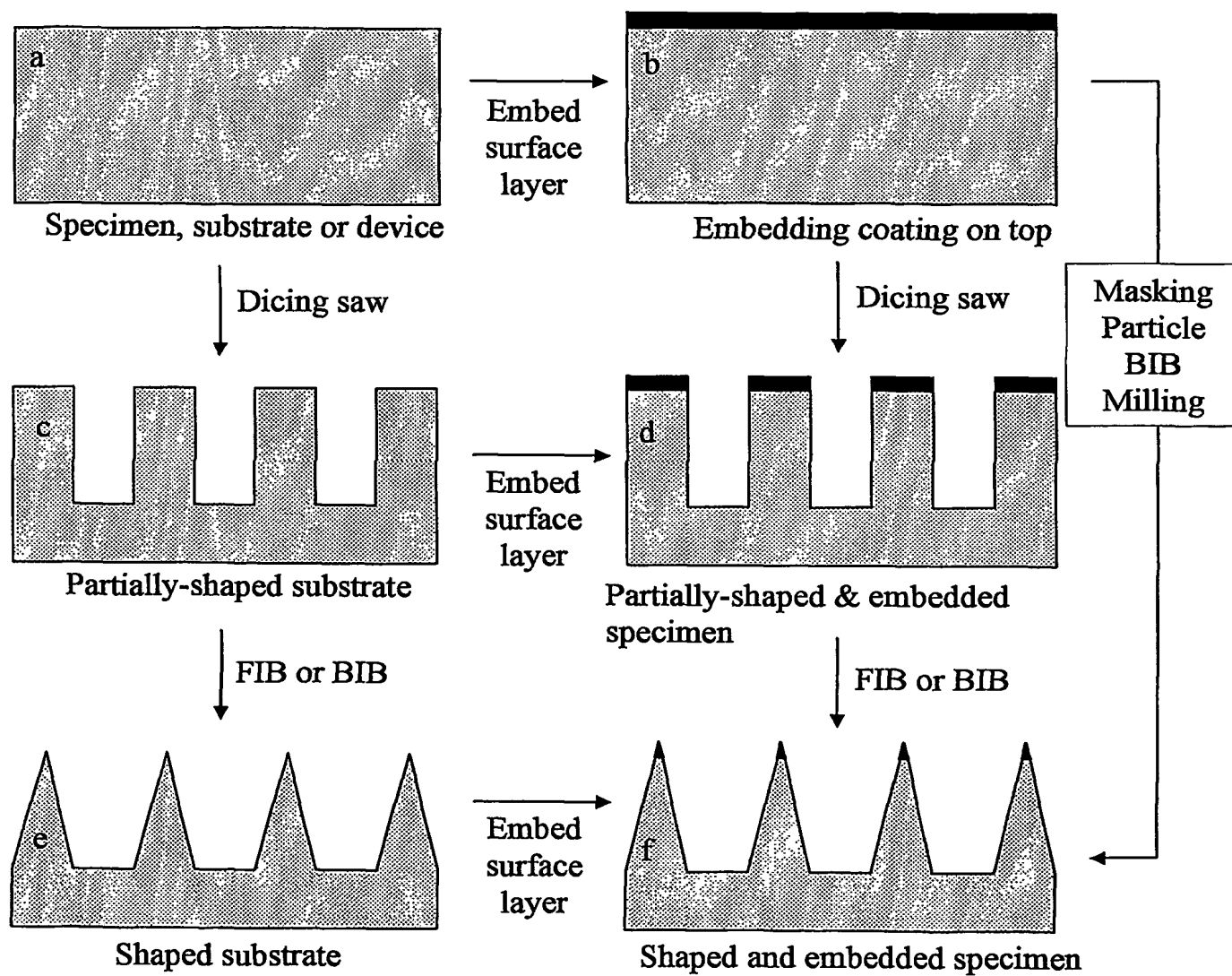
**Fig. 6**

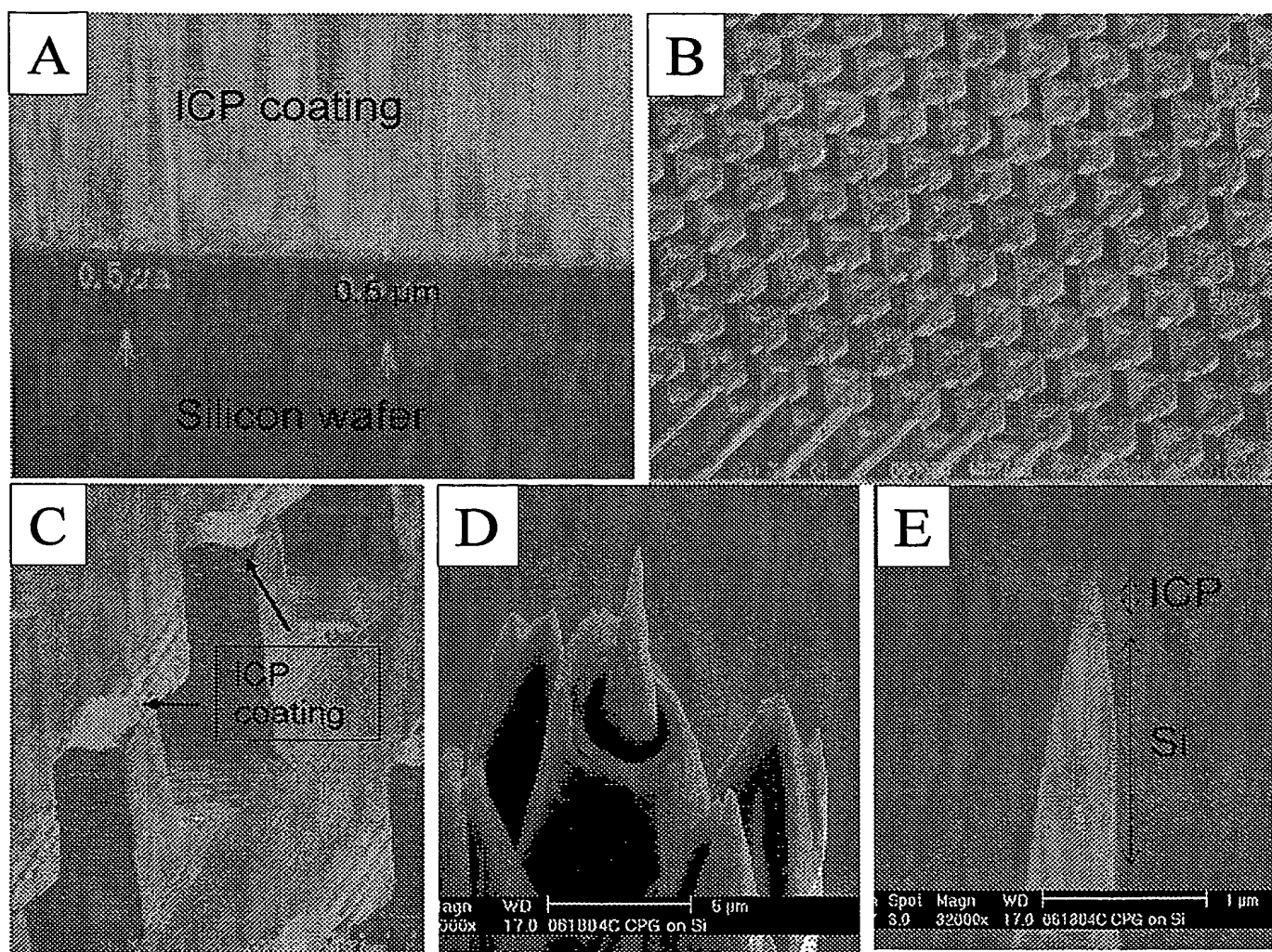


**Fig. 7**

**Fig. 8**



**Fig. 9**



**Figs. 10A, 10B, 10C, 10D, and 10E**

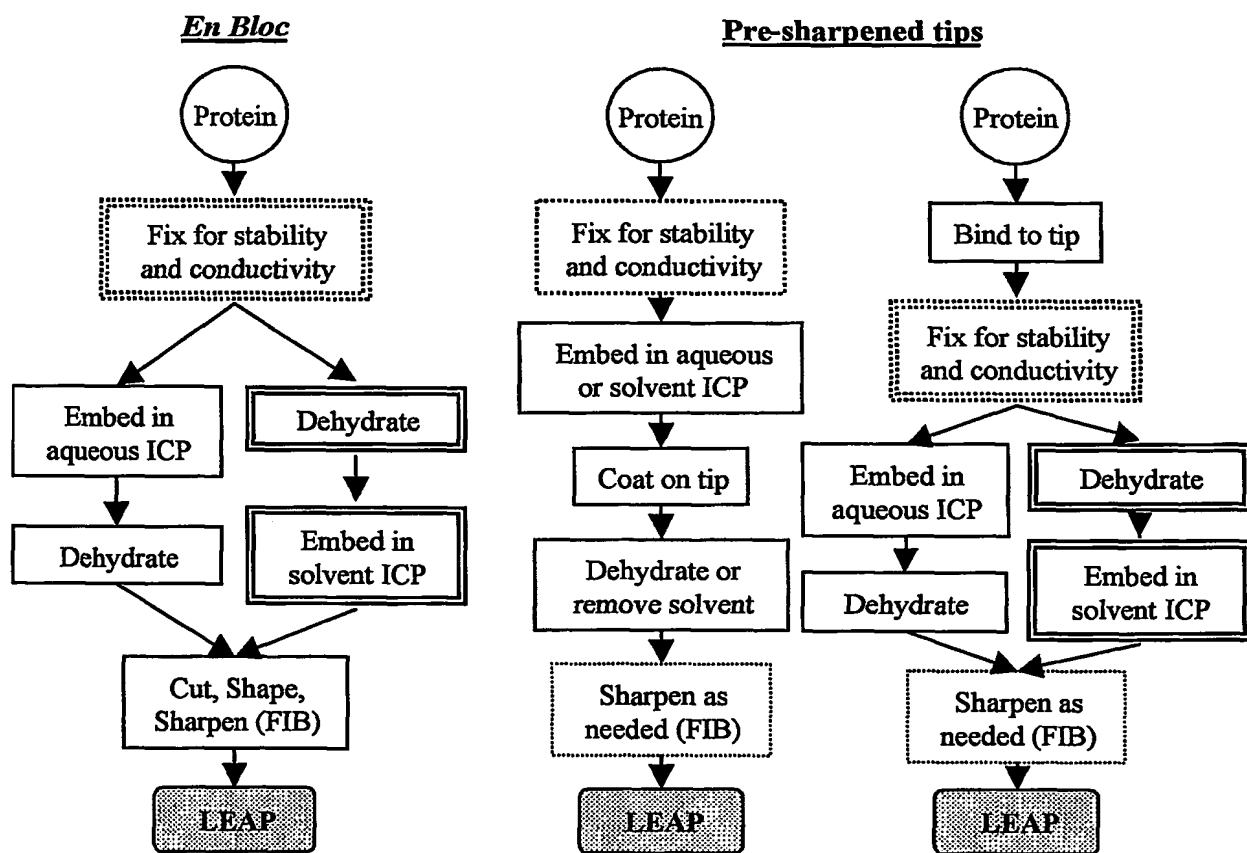


Fig. 11

## LEAP analysis of graphite

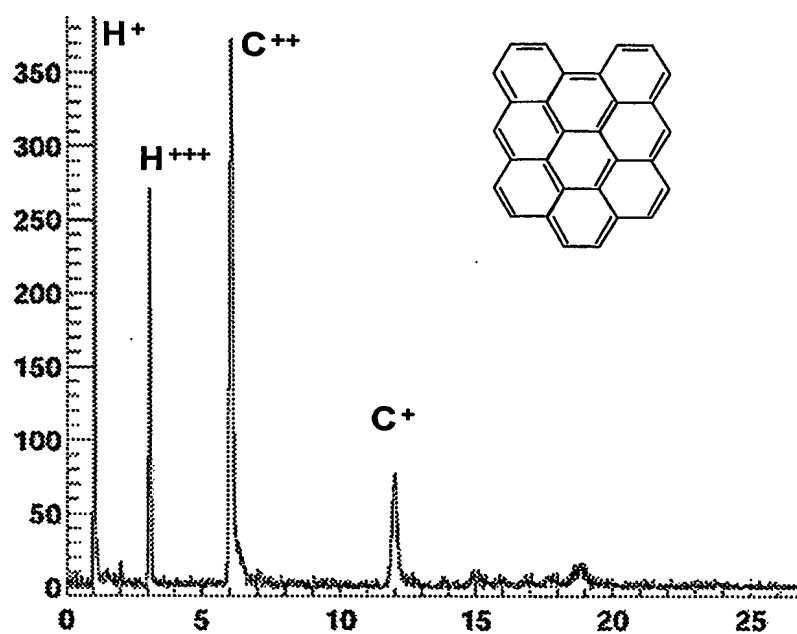


Fig. 12

## LEAP ANALYSIS OF PYROLYTIC CARBON HEART VALVE

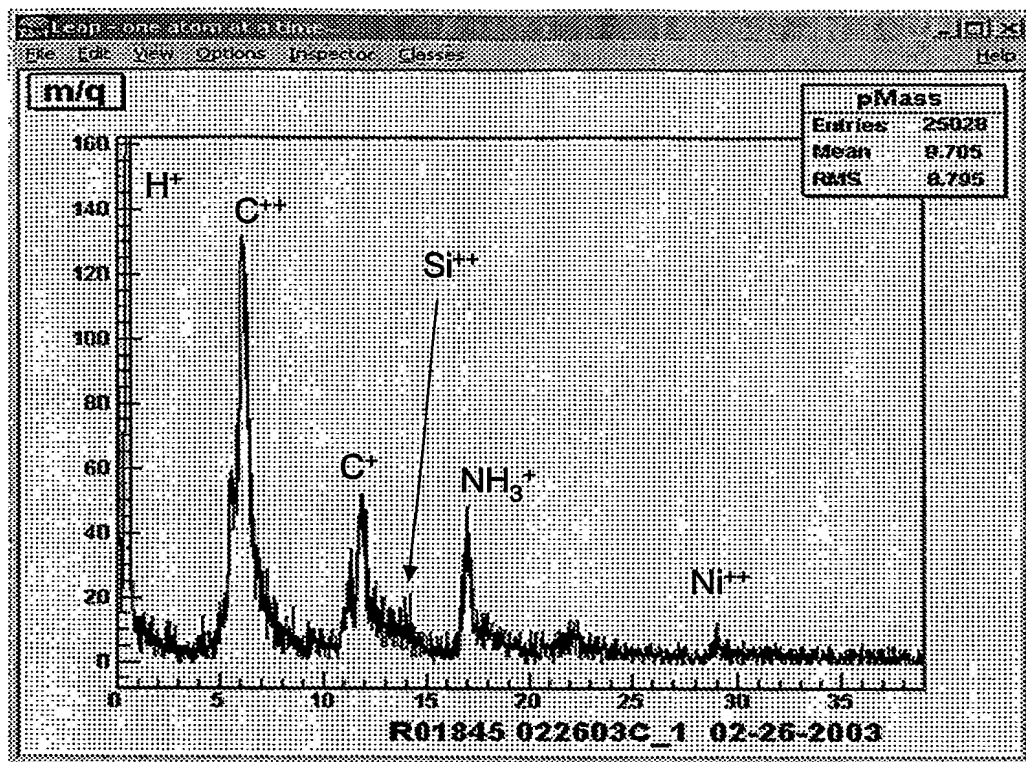
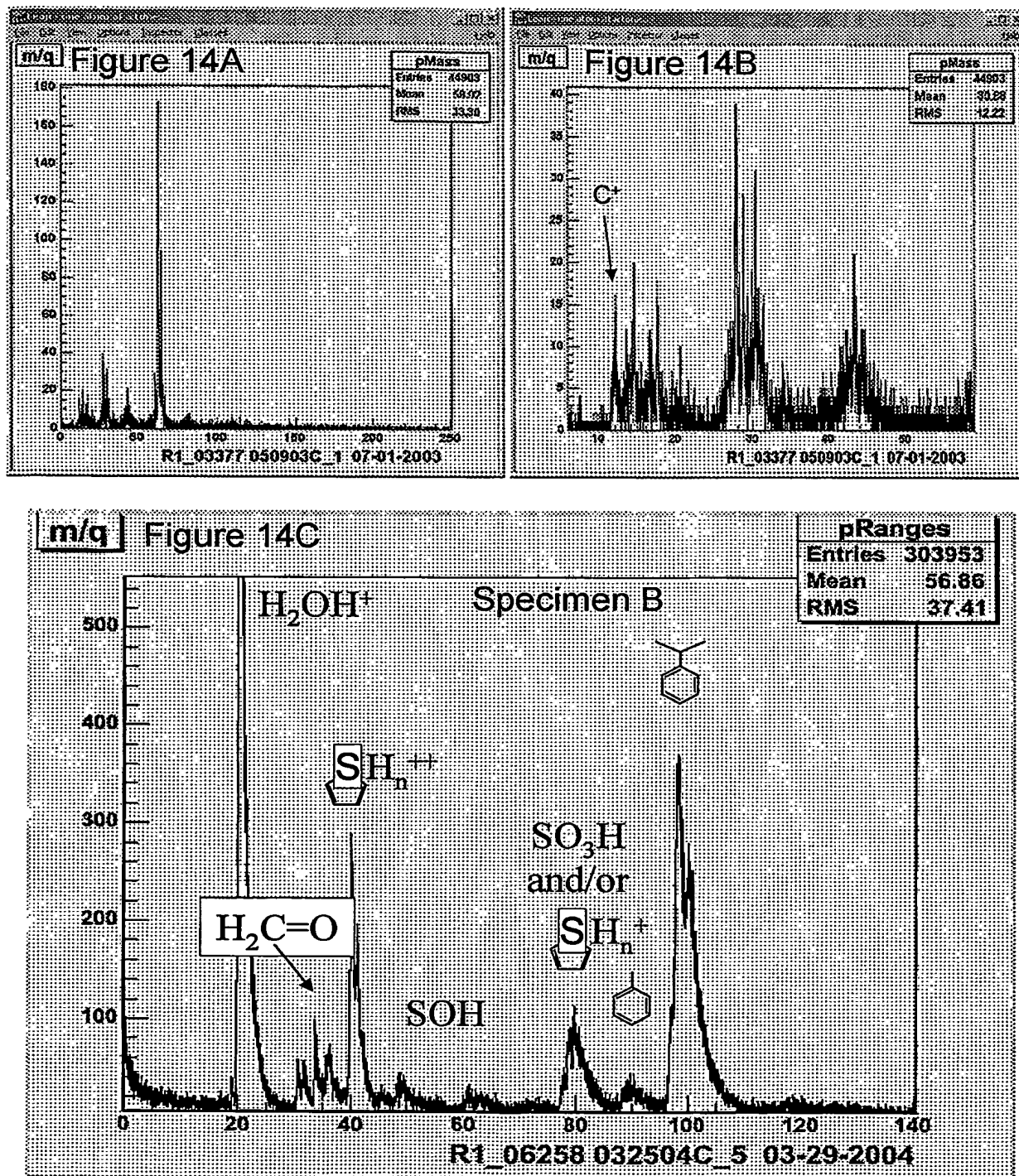
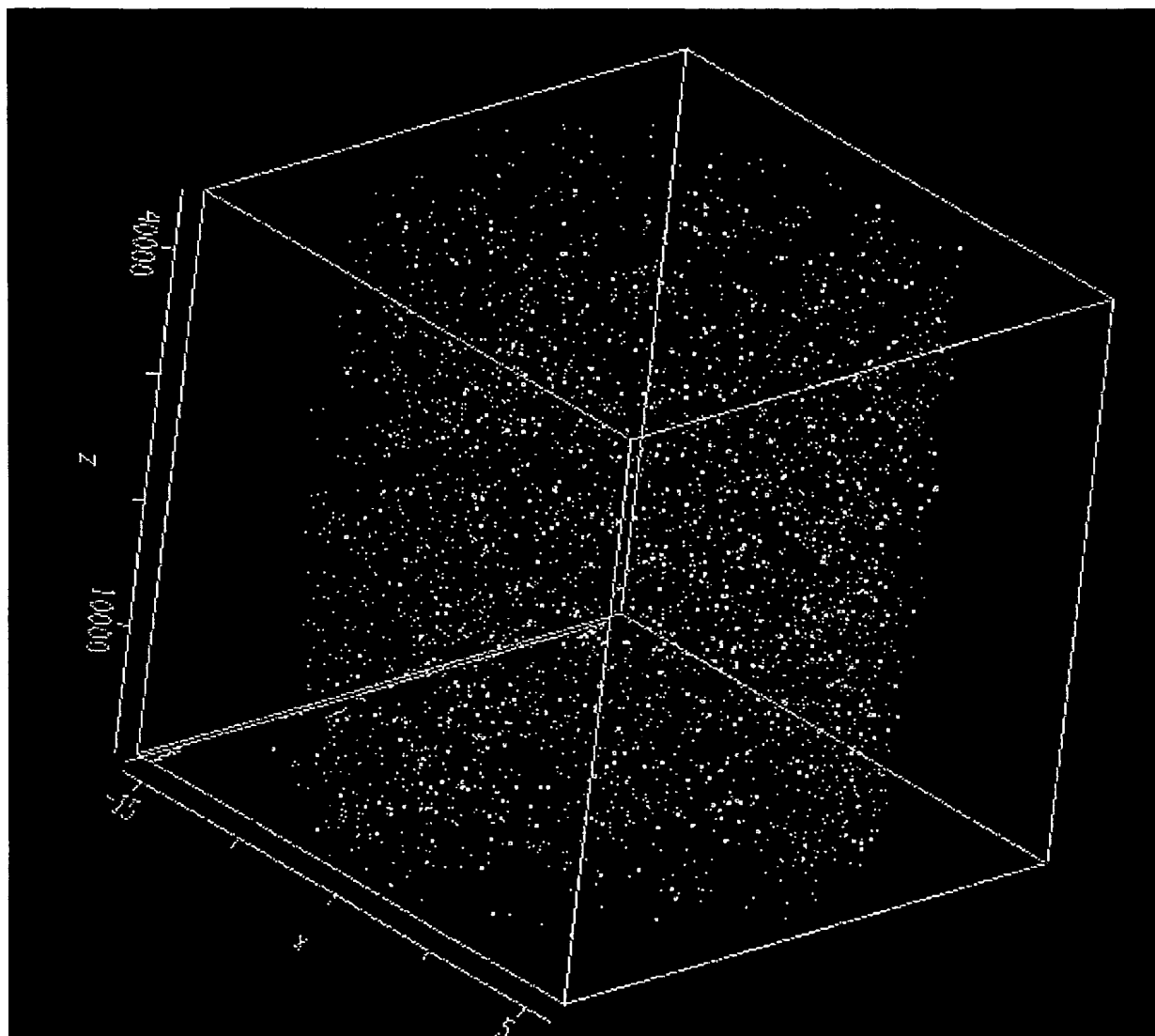
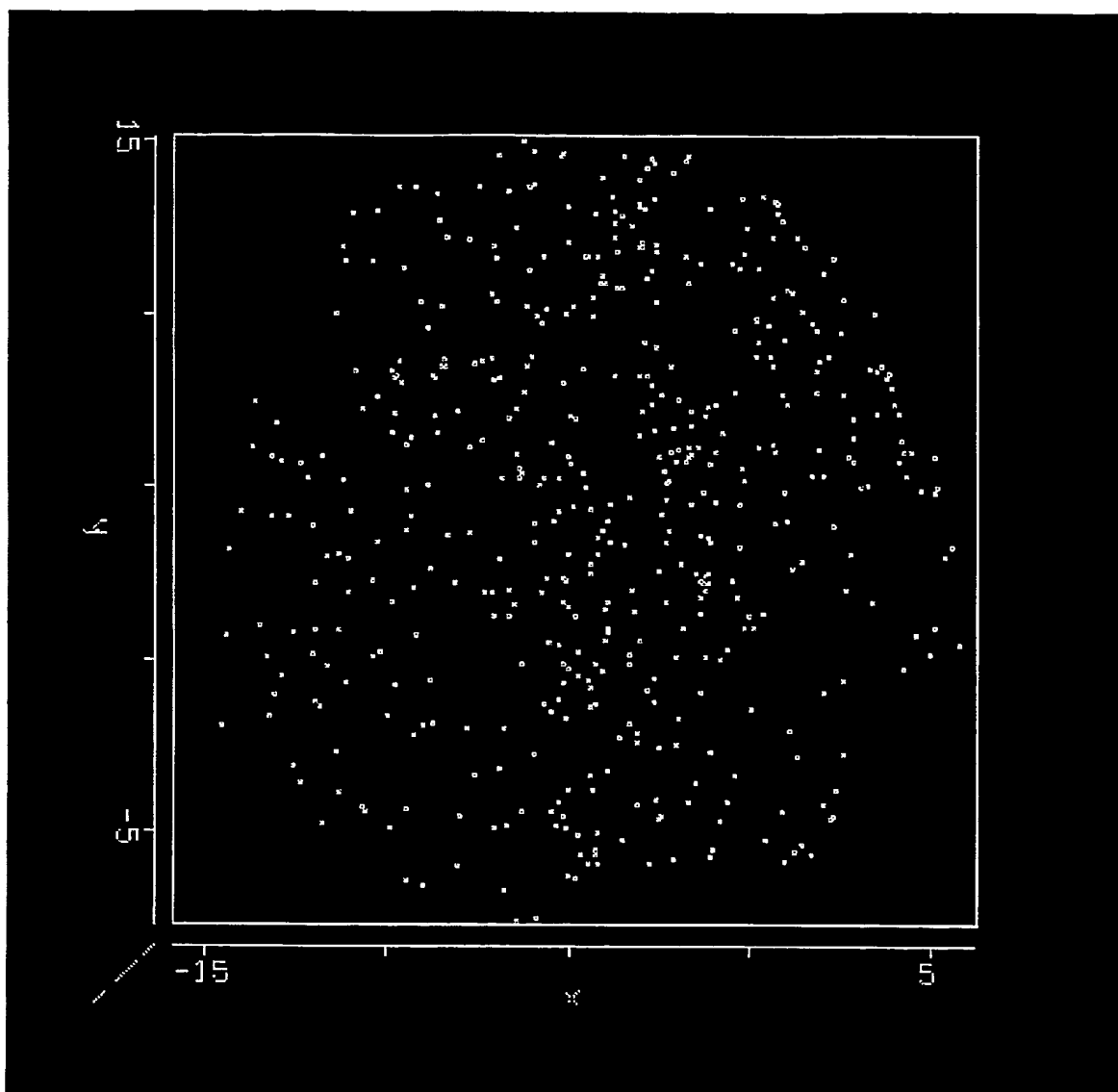


Fig. 13

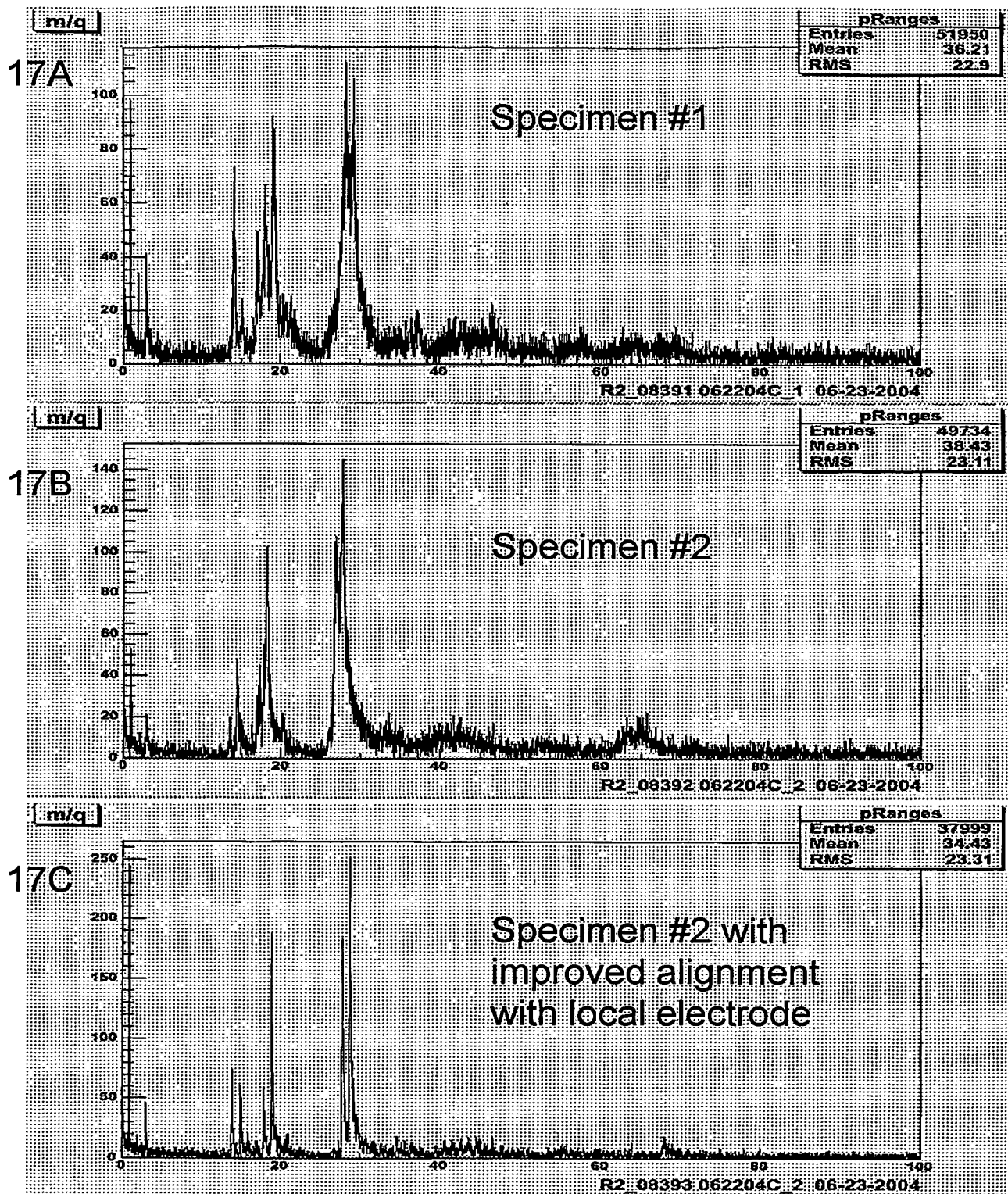


Figs. 14A, 14B, and 14C

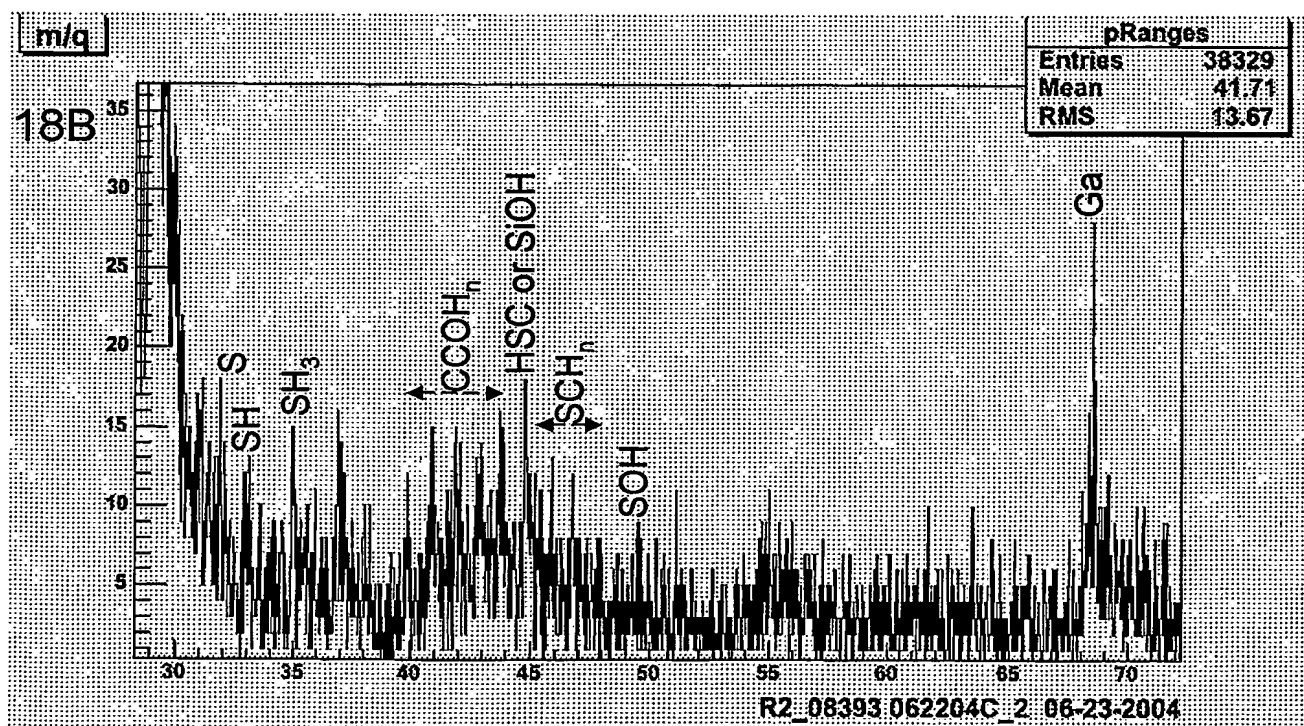
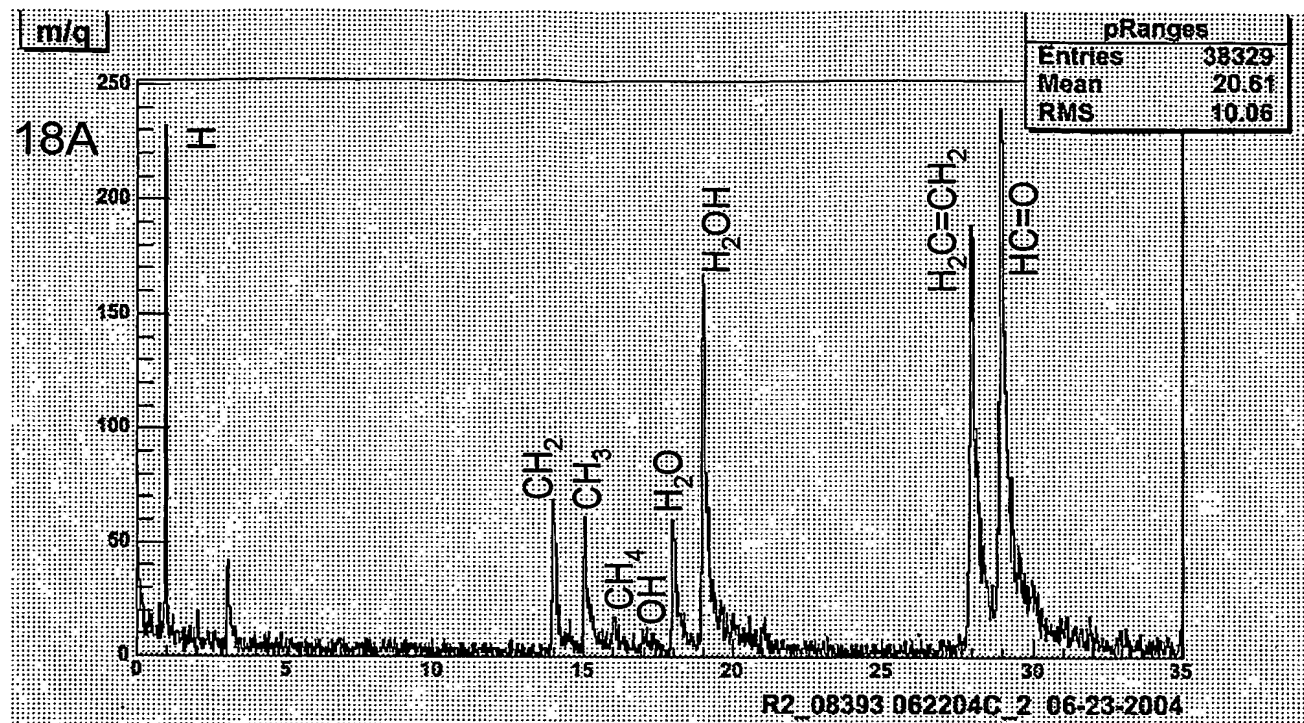
**Fig. 15**

**Fig. 16**

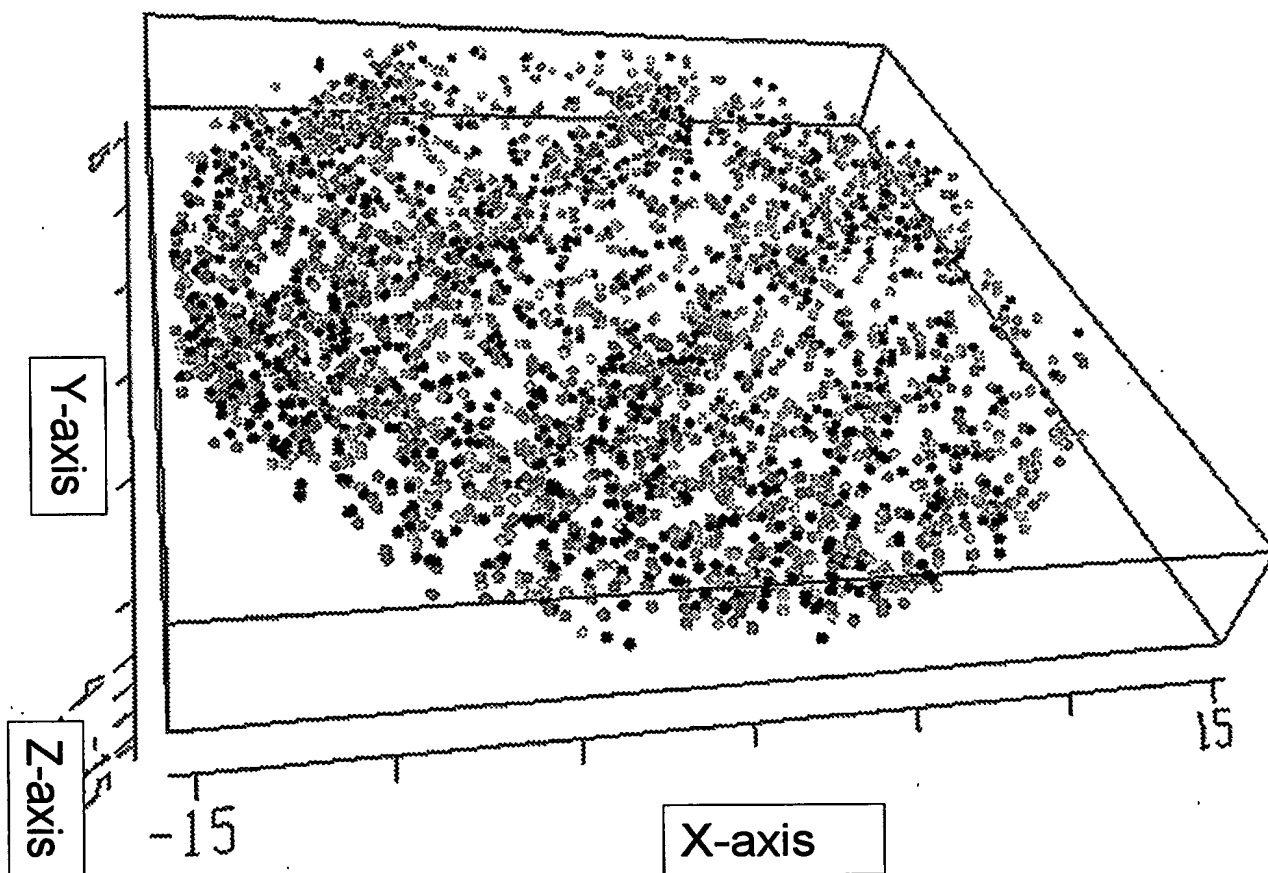


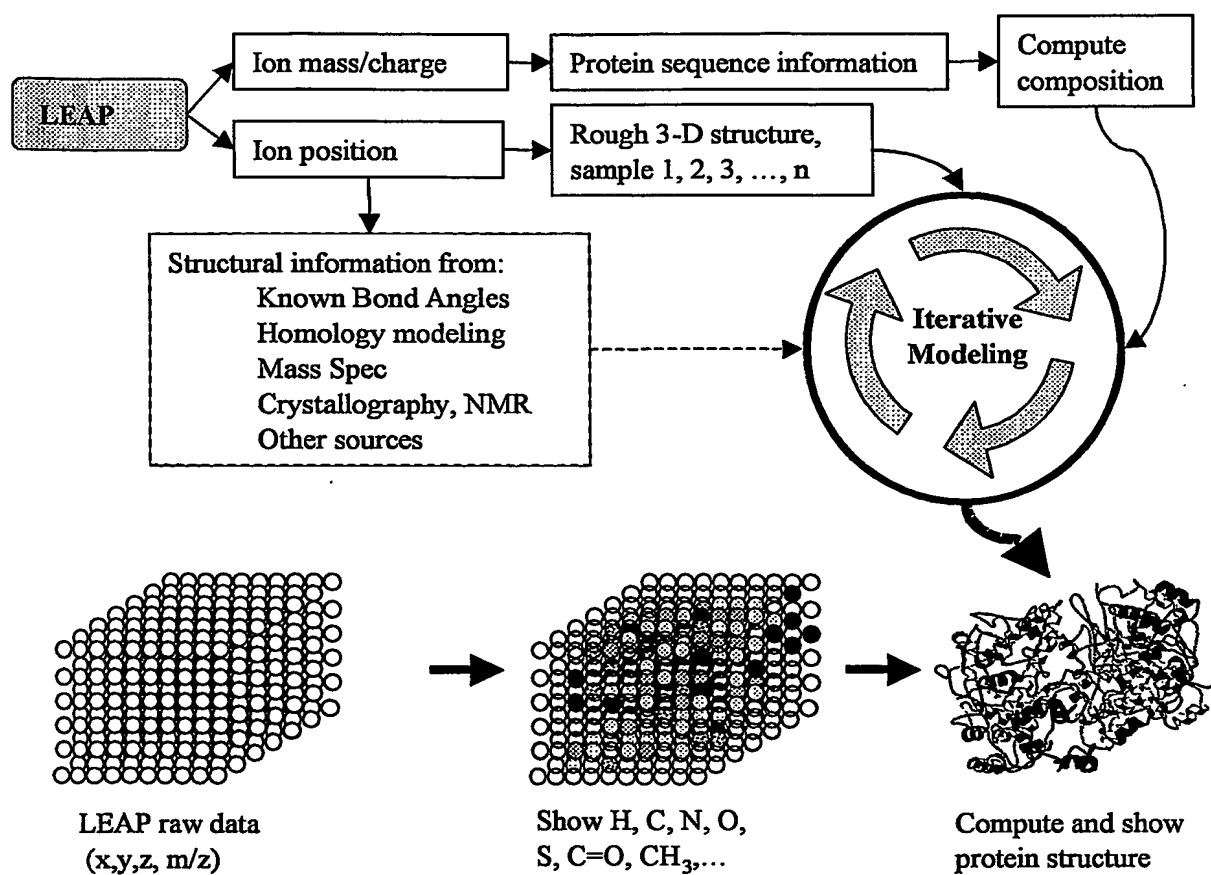


Figs. 17A, 17B, and 17C



Figs. 18A and 18B

**Fig. 19**

**Fig. 20**